Aspen Rentals
DEWATERING EQUIPMENT RENTAL • REPAIR & MAINTENANCE SERVICES

Belt Press and Auger Safety

Only personnel completely familiar with the equipment and the following precautions should be permitted to operate the Belt Press and Auger system. The operator should thoroughly understand these instructions before attempting to use this equipment.

Failure to follow these precautions may result in serious personal injury and/or damage to the equipment. Before entering the Belt Press operations area, all staff must wear Hard hat, Safety Visor, Steel-toed boots and Safety glasses.

If any personnel needs to perform any task or inspection beneath the belt press platform (belt press operations area) a hard hat must be worn.

The Belt press has many moving parts and contains biological contents that may be hazardous to personnel. Be aware of your surroundings at all times.

1. Slip and trip hazards may be common in this area: Water hoses should be out of the immediate path of walkways and staged along wall to prevent trip hazard.
2. Belt containment area may become a slip hazard due to the nature of polymer and sludge combined with water. Keep your footing and balance at all times.
3. Pinch points may be found along the entire structure of the belt press. Keep hands away from equipment at all times or proceed with extreme caution if needed.

4. Hydraulic system is in place to place tension on belts exercise caution when working around this equipment.

5. Guards and Handrails have been installed to eliminate some but not all moving parts and fall hazards.

6. Grating deck can at times become slippery or a trip hazard walk carefully.

7. Eye wash and showers should be provided in the general area as needed.

8. DO NOT place hands or feet in the Auger opening.

9. NEVER walk on Auger covers or grate.

10. DO NOT use Auger for any purpose other than what it was designed for.

11. Avoid poking or prodding material in the Auger loading and unloading points and all safety devices.

12. ALWAYS have a clear view of Conveyor loading and unloading points and all safety devices.

13. Keep area around Conveyor, drive and control station free of debris and obstacles.

14. NEVER operate Conveyor without covers, grating guards and other safety devices in position.

15. Verify tagline and emergency stop features are in good working order on a weekly basis.

16. ALWAYS use proper lockout/tag out procedures when doing any maintenance.

I acknowledge I have been trained in all aspects of Belt Press Safety procedures. And I am aware of videos provided to SRCSD officials for review.

Operator name:_____ Signature_____

Aspen Trainer_____ Signature_____

Sludge Distribution and Effect on Belt Seams

Misaligned seams indicate an uneven sludge distribution problem. Uneven sludge distribution/misaligned seams result in poor performance and may cause tracking problems.

Over time this issue will damage belts (wear, seam fatigue/failure, wrinkles) and wear rollers.

General Guidelines

1. A seam that is straight within 4-6” is generally OK.

2. A seam with 6” or more misalignment requires action.

3. After making adjustments, it will take 1-2 hours or more to see the complete effect on the seam.

4. Good immediate indicators of sludge distribution are observations of sludge flow down the incline of the feedbox onto the gravity table and sludge buildup at the leveling gate at the end of the table.

5. Ideal distribution is slightly heavy at the edges (again, which can be observed at the leveling gate) to compensate for the edges spreading in the pressure zone.

6. Changes in press feed rate and/or sludge feed consistency may result in uneven sludge distribution that will need to be addressed through manipulation of sludge speed and/or diverting sludge at the trough.

I acknowledge I have been trained in all aspects of sludge distribution and effect on belt seams.

Operator name:_____ Signature_____

Aspen Trainer_____ Signature_____